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AMENDMENTS TO THE CLAIMS

Please amend claims 1, 7, 8 and 23 as indicated below.

Please cancel claims 21 and 22.

Listing of Claims

1. (Currently Amended) A medical tool comprising

a central body having an in vivo inserted end and a non inserted end,

wherein at least one functional unit for performing an in vivo procedure, and at least one imaging unit are integrated in said central body at said in vivo inserted end,

wherein said imaging unit comprises a single optical dome-shaped window, a lens and an illumination source, said dome-shaped window having a convex shape and providing a space behind said window and within said convex shape, and

wherein the image sensor, the lens and the illumination source are situated behind and operate through the single optical dome-shaped window and within said space, such that the illumination source provides illumination through the dome-shaped window, and the image sensor captures light reflected from an in vivo object through the dome-shaped window and the lens.

2. (Previously Presented) The tool according to claim 1 wherein the non inserted end includes a controller, said controller functionally coupled to the functional unit.

3. (Original) The tool according to claim 1, said tool including silicon, plastic or metal.

4. (Previously Presented) The tool according to claim 1 wherein the functional unit comprises one or more elements selected from the group consisting of: graspers, blades, clamps, tissue collecting baskets, means for delivering treatment, stents, forceps, snares, hemostasis devices, dilatation balloons, catheters, sphincterotomes, guidwires, and suturing devices and any combination thereof.

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5-6. (Canceled)

7. (Currently Amended) The tool according to claim 6 claim 1 wherein the illumination source is an LED.

8. (Currently Amended) The tool according to claim 1 comprising wherein said central body comprises a transmitter.

9. (Original) The tool according to claim 8 wherein the transmitter is a wireless transmitter.

10. (Original) The tool according to claim 8 wherein the transmitter is an RF transmitter.

11. (Previously Amended) The tool according to claim 1 comprising a channel, wherein said channel passes through at least the central body.

12-17. (Canceled)

18. (Previously Presented) A system for performing in vivo procedures, said system comprising:

a tool according to claim 8; and

a receiver comprising a recording mechanism.

19. (Original) The system according to claim 18 comprising a monitor in communication with the receiver for displaying in vivo-information.

20. (Original) The system according to claim 18 comprising a processor for processing in vivo information.

21-22. (Canceled)

23. (Currently Amended) The tool according to claim 1, wherein said tool central body comprises a battery.

24. (Canceled)